

Application No. 10/650,058
Response to Office Action

Customer No. 01933

Listing of Claims:

1. (Currently Amended) An optical deflection device comprising:

(a) a rotary unit comprising a rotary polygon mirror and a magnet;

5 (b) a dynamic pressure bearing comprising a rotary bearing member for rotatably supporting the rotary unit and a fixed bearing member for engaging with the rotary bearing member;

(c) a stator unit comprising a base member for supporting the fixed bearing member and a magnet coil for driving the rotary unit in cooperation with the magnet; and

10 (d) a stabilizing member provided on an upper portion of the base member and in the vicinity of an outer circumference of the polygon mirror ~~for stabilizing to stabilize~~ air flow generated by a rotation of the polygon mirror,

15 wherein the stabilizing member has a height greater than ~~that a height~~ of a lower surface of the rotary polygon mirror; and

20 wherein the stabilizing member is provided in an area on a side of the polygon mirror between the polygon mirror and a side wall of a main body of the optical scanning apparatus.

Claim 2 (Canceled).

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3. (Currently Amended) An optical scanning apparatus comprising:

(a) a main body;

(b) an optical deflection device provided in the main body,

5 said optical deflection device comprising a rotor unit having including a rotary polygon mirror, a dynamic pressure bearing for rotatably supporting the rotor unit, and a stator unit having including a base member for supporting the dynamic pressure bearing;

10 (c) an optical member of a scanning optical system provided in the main body; and

 (d) a stabilizing member provided in ~~the~~ a vicinity of an outer circumference of the polygon mirror inside the main body ~~for stabilizing to stabilize~~ air flow generated by a rotation of 15 the polygon mirror;

wherein the stabilizing member has a height greater than a height of a lower surface of the rotary polygon mirror; and

wherein the stabilizing member is provided in an area on a side of the polygon mirror between the polygon mirror and a side wall of the main body of the optical scanning apparatus.

20 Claims 4 and 5 (Canceled).